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L3: Entry 1 of 4

File: USPT

May 2, 1995

US-PAT-NO: 5411870

DOCUMENT-IDENTIFIER: US 5411870 A

TITLE: Process and apparatus for direct determination of low density lipoprotein

DATE-ISSUED: May 2, 1995

## INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Law; Wai T.	Sewell	NJ		
Ertingshausen; Gerhard	Princeton	NJ		

US-CL-CURRENT: 435/11; 435/19, 435/23, 435/25, 435/4, 435/7.1, 435/7.9, 436/13,  
436/181, 436/71

## ABSTRACT:

Low density lipoproteins are directly determined in fluid samples by selectively precipitating low density lipoproteins from the sample by forming clusters, selectively consuming the high density and very low density lipoproteins, and resolubilizing the low density lipoproteins for direct determination thereof. The clusters are formed by treating the fluid sample with a mixture of a polyanionic compound, a divalent metal, and a nucleating agent. The clusters are redissolved and assayed for low density lipoproteins.

9 Claims, 2 Drawing figures

Exemplary Claim Number: 1

Number of Drawing Sheets: 1

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KMC
Draw. Desc	Image										

☐ 2. Document ID: US 5409840 A

L3: Entry 2 of 4

File: USPT

Apr 25, 1995

US-PAT-NO: 5409840

DOCUMENT-IDENTIFIER: US 5409840 A

TITLE: Purification and recovery of lipoprotein cholesterol

DATE-ISSUED: April 25, 1995

## INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Girgis; Makram M.	Bradley	IL		
McCall; Thomas M.	Kankakee	IL		
Montalto; Joseph G.	Bradley	IL		

US-CL-CURRENT: 436/178; 435/11, 436/177, 436/71

## ABSTRACT:

Disclosed is an improved process for the recovery of cholesterol rich fractions from mammalian serum or plasma. The process involves adsorbing the fraction on precipitated silica gel agglomerates which are then separated from the serum or plasma whereupon the adsorbed cholesterol rich fraction is eluted from the silica and recovered.

10 Claims, 0 Drawing figures  
Exemplary Claim Number: 1

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KMIC
Draw Desc	Image										

☐ 3. Document ID: US 5320968 A

L3: Entry 3 of 4

File: USPT

Jun 14, 1994

US-PAT-NO: 5320968

DOCUMENT-IDENTIFIER: US 5320968 A

TITLE: Method for detecting lipoprotein (a) and associated cholesterol

DATE-ISSUED: June 14, 1994

## INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Seman; Leo J.	Methuen	MA	03079	

US-CL-CURRENT: 436/71; 435/11, 435/19, 435/28, 435/7.1, 436/518, 436/535

## ABSTRACT:

A method for assaying lipoprotein (a) in a liquid sample containing other lipoproteins, and a assay device for use in the method are disclosed. In the method, the liquid is contacted with a solid-support reagent containing lectin attached to a solid support, under conditions effective to bind of lipoprotein (a) to the support-bound lectin. After removing unbound lipoproteins, the amount of lipoprotein (a) bound to the support is assayed. In one embodiment, the method and assay device are designed for assaying cholesterol associated with lipoprotein (a).

12 Claims, 3 Drawing figures  
Exemplary Claim Number: 1  
Number of Drawing Sheets: 1

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
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KMIC

☐ 4. Document ID: US 4366244 A

L3: Entry 4 of 4

File: USPT

Dec 28, 1982

US-PAT-NO: 4366244

DOCUMENT-IDENTIFIER: US 4366244 A

TITLE: Method for measuring serum cholesterol

DATE-ISSUED: December 28, 1982

## INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Pascal; Marc	Dijon			FR

US-CL-CURRENT: 435/11; 210/905, 252/408.1, 435/20, 435/25, 435/810, 530/359, 530/396

## ABSTRACT:

The invention relates to methods for measuring cholesterol of various fractions of seric lipoproteins, the methods comprising the separation of said fractions of lipoproteins by means of a lectin capable of precipitating the LDL and VLDL fractions, then measuring the amount of cholesterol in the precipitate and in the remaining solution.

23 Claims, 0 Drawing figures

Exemplary Claim Number: 1

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
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